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COMMISSIONER FOR PATENTS
Mail Stop Patent Application
P. O. Box 1450
Alexandria, Virginia 22313-1450

DOCKET NUMBER: AUS920030579US1

DATE: October 23, 2003

Sir:

Transmitted herewith for filing is the Patent Application of:

Inventors: David William Boerstler and Eskinder Hailu

For: Adaptive Method and Apparatus to Control Loop Bandwidth of a Phase Lock Loop

Assignee Name: International Business Machines Corporation

Assignee Residence: Armonk, New York

Enclosed are:

- X 14 Patent Specification including an Abstract
X 4 Pages of Claims
X 7 Sheet(s) of drawings. Informal X Formal
X 1 Declaration(s) and Power of Attorney
X Form PTO 1595 and Assignment of the Invention to IBM Corporation
 A certified copy of a application.
X Information Disclosure Statement, PTO 1449 and copies of 4 references.

The filing fee has been calculated as shown below:

FOR	Number Filed	Number Extra	Rate	Basic Fee \$770.00
Total Claims	9 - 20 =	0	X \$ 18	= \$ 00.00
Independent Claims	6 - 3 =	3	X \$ 86	= \$ 258.00
Multiple Dependent Claims	00		X \$ 290	= \$
Total Filing Fee				= \$1,028.00

X Please charge my Deposit Account No. 09-0447 in the amount of \$ 1,028.00. A duplicate copy of this sheet is enclosed.

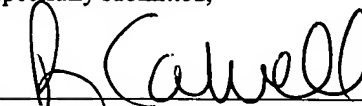
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X Any additional filing fees required under 37 CFR 1.16.

X Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

By



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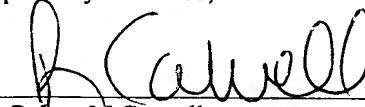
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